

## CLAIMS:

1. An autostereoscopic display device comprising a display array comprising a number of addressable pixels, and a means for addressing the pixels in the display array, characterized in that the display device comprises a means for providing collimated light (60) emitted by the pixels of the display array (61), a cylindrical lens (63) for focusing the image  
5 displayed on the display array in a direction perpendicular to the longitudinal axis of the cylindrical lens, the device further comprising a display screen (66) comprising a number of openings upon which the image displayed on the display array is in operation focused, and a scanning means (64) to sequentially scan over said openings on the display screen, and means (69) for changing the image information on the display array (61) in a rate  
10 corresponding to the frequency of scanning of the openings in the display screen.
2. An autostereoscopic display device as claimed in claim 1, characterized in that the device comprises in, near to or on the display screen (66) cylindrical lenses (65).
- 15 3. An autostereoscopic display device as claimed in claim 1, characterized in that the display device comprises in between the scanning means and the display screen a lens (68).
4. An autostereoscopic display device as claimed in claim 1, characterized in that  
20 the display device comprises index light sensors (71) on or near the display screen.
5. An autostereoscopic display device as claimed in claim 1, characterized in that the display device comprises a shadow mask (81) in between the scanning means and the display screen.